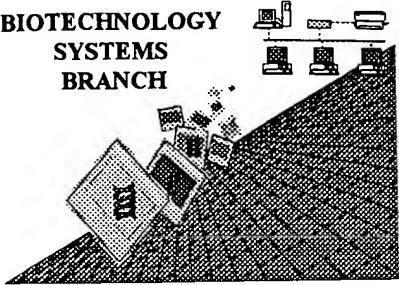


Shah

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/105,117B

Art Unit / Team No.: 1652

Date Processed by STIC: 12/31/98

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

**1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**

**2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**ARTI SHAH 703-308-4212**

5 file

1652

PAGE: 1

RAW SEQUENCE LISTING

PATENT APPLICATION US/09/105,117B

DATE: 12/31/1998

TIME: 19:03:44

Input Set: I105117B.RAW

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

New format

1 <110> Vrljik, Marina  
2 Eggling, Lothar  
3 Sahm, Hermann  
4 <120> PROCESS FOR HTE MICROBIAL PRODUCTION OF AMINO ACIDS BY  
5 BOOSTED ACTIVITY OF EXPORT CARRIERS  
6 <130> fj122 table 1  
7 <140> US/09/105,117B  
8 <141> 1998-06-17  
9 <150> PCT/DE96/02485  
10 <151> 1996-12-18  
11 <150> 195 48 22.0  
12 <151> 1995-12-22  
13 <160> 3  
14 <170> PatentIn Ver. 2.0 - beta

Does Not Comply  
Corrected Diskette Needed

ERRORED SEQUENCES FOLLOW

E--> 15 <210> 2  
E--> 16 <211> 3002  
E--> 17 <212> DNA  
E--> 18 <213> Corynebacterium glutamicum  
E--> 19 <400> 2  
E--> 20 tab0taaaac gacttccaca atgagacgga ccgggttaag gacgcccgt ttttacttt 60  
E--> 21 tt0ggactt gaaaaagtct tcattgattc cggcgtagg gagctaacga cgtagttgt 120  
E--> 22 gccc0rgaad vvaagagacac tcagatcgat ctctagatct aaggcccggt gtagcaacgg 180  
E--> 23 ttatgttagcc ac00trasr srwrwymtcc gttaccata gagtagctcc tcctagtgaa 240  
E--> 24 gaggacgaaa atcttaccct cgtcgaat0d dvgakmaacc aaagcccttc ttcagggtt 300  
E--> 25 ggttccggag ccgcttaacg gagtggtttt ggaaggcg00 tggrrragg agctgccc 360  
E--> 26 ttacctatgc gcggacgcgg ggtgtcttgc tagctgcgcg ggcaggctca g0svsvrrg 420  
E--> 27 vgdvrgddtg ccagaacttc gtgttagaaac cctggcttcg cattctgccc gtagcgtcgg 480  
E--> 28 gttagatc0r dvdkgrvmaa wdaaagggtt gttggatcat ccgttagggcg ttactcccc 540  
E--> 29 aacgttaccg gttcaccgcg ta0kgdvmya drstaahrmc caaggttcaa gatgtgaag 600  
E--> 30 tggtagggcg tgccttaatc gaagtgccta atggcgagg0 tgvvcgavna rtvagatttt 660  
E--> 31 gtagaggtgc ggcgtcggtc ctattacaca cgcgaagtag aagggtcgcg tcgca00vdg 720  
E--> 32 rrsthadrtc tcgcaacgag gtgggttct tcgtatggagc aacttgtgcc ctcttttgt 780  
E--> 33 acacctatc0 taggwsavnv wtsgcttaga cgcaactacc gctaccaatt gcccctaaagt 840  
E--> 34 cggtccgcag gtctatcaac gcg0sdanat argsaaaatc aaagacgaac gtcgttgcgg 900  
E--> 35 taaaaggcgc gacgaacgtg ttcttgcgtt gggcg0ktav mkraavvgaa agccaaacgaa 960  
E--> 36 accggccaac ccacgcgtc tgggtgtgag ctgggtgcac tacgagctc0 takatrvr 1020  
E--> 37 gvhhtcgaaa ttgcgcact gagtgccggc tccccctta cctttccga ttcctccgcg 1080  
E--> 38 gaag00akvr svassssasag cttcgacgga agtagttact aactctcggt tcacagggtca 1140  
E--> 39 acttacccca agta0tgctt tcataatga ttgagagcaa agtgtccagt tgaatgggt 1200

In figure 6(b), "a sequence with a gap or gaps shall be presented as a plurality of separate sequences, and separate sequences shall be, with the number of separate sequences being equal in number to the number

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## RAW SEQUENCE LISTING

PATENT APPLICATION US/09/105,117B

DATE: 12/31/1998

TIME: 19:03:44

Input Set: I105117B.RAW

W-->	40	tcatgaagct sgstdnmat attaaaccat gttaagaacc aatcattta ctttaagtact 1260
E-->	41	tccataggtc acgatgg00 mvgatcatgg aaatcttcat tacaggtctg cttttgggg 1320
E-->	42	ccagtctttt actgtccatc gg00mtggas sgaccgcaga atgtactggt gattaaacaa 1380
E-->	43	ggaattaagc gcbaaggact cattgcgggtt ct0nvvkgr gavtctcgtg tgtttaattt 1440
E-->	44	ctgacgtctt tttgttcatc gccggcacct tgggcgttga tct0vcsvd agtgvdtttg 1500
E-->	45	tccaatgccg cgccgatcgt gctcgatatt atgcgctggg gtggcattcgc ttacct0sna 1560
	46	avdmrwggay gttatgggtt gccgtcatgg cagcgaaaga cgccatgaca aacaagggtt 1620
E-->	47	aagcgccaca 0wavmaakda mtnkvagatc attgaagaaa cagaaccaac cgtgcccgt 1680
E-->	48	gacacgcctt tgggcgggttc ggcgg0ttv ddtggsavgg ccactgacac ggcacaccgg 1740
E-->	49	gtgcgggtgg aggtgagcgt cgataagcag cgggttt0a tdtrnrvrvv svdkrvwggt 1800
E-->	50	aaagcccattt ttgatggcaa tcgtgtcgac ctgggttgaac ccgaatgcgt atttgg00v 1860
W-->	51	kmmavtwnna ydcgcgtttt tgtttatcgg cggcgtcggc ggcacatacg ggcacaccgg 1920
E-->	52	acggtgatt tt0avggvga ygdgtgrwgcg cgctggcgcg ttcgcggcaa gcctgatctg 1980
E-->	53	gttcccctg gtgggtttcg ggcgcagc0aa gaaaswvsga aagcattgtc acgcccgtg 2040
E-->	54	tccagccccca aggtgtggcg ctggatcaac gtcgtcgtgg c0asrsskvw rwnvvvanrt 2100
E-->	55	kctactggcg taaccggtag tttgactaca actacccaaat caaaagcgc caaaa0agtt 2160
	56	gtgatgaccg cattggccat caaactgtat ttgatgggtt agtttcgcg ggvvmtaakm 2220
	57	mgccttagcc accggaagcg gtttacaac tacggccgca gcaccctta gagtagctag 2280
E-->	58	cg00sdtaka wngadhsdag aggttgcgt gcagtctttt gaggttcaac aactcactt 2340
E-->	59	gttccgacaa caggtgcac0 adsnnnsdsnd gagttgactg ctgcgtggg agttacgtga 2400
E-->	60	ccagtgcctt aggcgcggca tgagaggaac 0vssagastv ttagyggagc ggcgtcgtggg 2460
E-->	61	tacgttcgcg ttagacgcgt tcactgacgg ggcacaggac ccgcta0rvw aamasgraca 2520
	62	gtaactcgaa cgcctggat agttataaca agtgcacgtt gtacggaggt ctgtccct0 2580
W-->	63	dnkrvmdnnv nmgs0gaatg ggaccgaccg cgccttggg agacctaag gtagctctat 2640
E-->	64	aaacaggcac tcgtc00kgs arsggdykdt cgggacgcgt tcaccactct ttcgttactg 2700
E-->	65	cgggtctggg aacaaccgtc gactgacgtt 0gasavgggn aasgttcaag agtggcagta 2760
E-->	66	gcgggccaag gaggtgggtt gctaattact accttatacg acc0ngddgv wrnsysgact 2820
E-->	67	acttagtctt cgcgcgtcg gaggaggcgg tacttgatgc ggcggaggcg acactc0hcg 2880
	68	amaaatgaga cctggcatcc ttctttatgg gtgcatttct cgaaaaggc tgcgttgtta 2940
E-->	69	cagtgc0gys sgvyakgsav drgttacgca tgtaccaaag aagggttctt catagaaymt 3000
	70	td 3002

of continuous string of sequence data.

Input Set: I105117B.RAW

Line	?	Error/Warning	Original Text
16	E	Input 3002, Calc# Bases 2953 differ	<211> 3002
21	E	Number of Bases conflict w/ Running Total	ttg0ggactt ggaaaagtct tcattgattc cggcgta
21	E	Wrong Nucleic Acid Designator	ttg0ggactt ggaaaagtct tcattgattc cggcgta
22	E	Wrong Nucleic Acid Designator	gccg0rgaad vvacagacac tcagatcgat ctctagat
23	E	Wrong Nucleic Acid Designator	ttatgttagcc aca0dtrasm srwrwymtca gttaccca
24	E	Wrong Nucleic Acid Designator	gaggacgaaa atcgtaccct cgctgaac0d dvgakmaa
25	E	Wrong Nucleic Acid Designator	ggttccggag ccgcttaacg gagtggttt ggaaggcg
25	E	Wrong Nucleic Acid Designator	ggttccggag ccgcttaacg gagtggttt ggaaggcg
26	E	Wrong Nucleic Acid Designator	ttacctatgc gcgacgcgg ggtgtccctgg tagctgcg
28	E	Wrong Nucleic Acid Designator	gttagatc0r ddkgrvmaa wdaaggta gttggta
29	E	Wrong Nucleic Acid Designator	aacgttaccg gttcaccccg ta0kgdvmya drstaahr
30	E	Wrong Nucleic Acid Designator	tgttagggcg tgccttaatc gaagtgccta atggcgag
30	W	"N" or "Xaa" used: Feature required	tgttagggcg tgccttaatc gaagtgccta atggcgag
31	E	Wrong Nucleic Acid Designator	gttagaggtgc ggcgtcggtc ctattacaca cgcgaagt
31	E	Wrong Nucleic Acid Designator	gttagaggtgc ggcgtcggtc ctattacaca cgcgaagt
33	E	Wrong Nucleic Acid Designator	acacctatc0 taggwsavnv wtsgcttaga cgcaacta
33	W	"N" or "Xaa" used: Feature required	acacctatc0 taggwsavnv wtsgcttaga cgcaacta
34	E	Wrong Nucleic Acid Designator	cgttccgcag gtctatcaac gcg0sdanat argsaaaa
34	W	"N" or "Xaa" used: Feature required	cgttccgcag gtctatcaac gcg0sdanat argsaaaa
35	E	Wrong Nucleic Acid Designator	taaaaggcgc gacgaacgtg ttctgaagt gggcg0kt
36	E	Wrong Nucleic Acid Designator	accggccaac ccacgcgcta tgggtgtgag ctgggtgc
38	E	Wrong Nucleic Acid Designator	gaag00akvr svasssasag cttcgacgga agtagtta
38	E	Wrong Nucleic Acid Designator	gaag00akvr svasssasag cttcgacgga agtagtta
39	E	Wrong Nucleic Acid Designator	acttaccca agta0tgct tcataatga ttgagagc
40	W	"N" or "Xaa" used: Feature required	tcatgaagct sgdstdnm attaaaccat gttaaaga
41	E	Wrong Nucleic Acid Designator	tccataggtc acgatgg00 mvgatcatgg aaatcttc
41	E	Wrong Nucleic Acid Designator	tccataggtc acgatgg00 mvgatcatgg aaatcttc
42	E	Wrong Nucleic Acid Designator	ccagtcttt actgtccatc gg00mtggas sgaccga
42	E	Wrong Nucleic Acid Designator	ccagtcttt actgtccatc gg00mtggas sgaccga
43	E	Wrong Nucleic Acid Designator	ggaattaagc gcgaaggact cattgcgggtt ct0nvvkg
43	W	"N" or "Xaa" used: Feature required	ggaattaagc gcgaaggact cattgcgggtt ct0nvvkg
44	E	Wrong Nucleic Acid Designator	ctgacgtctt ttgttcatc gccggcacct tgggcgtt
44	E	Wrong Nucleic Acid Designator	ctgacgtctt ttgttcatc gccggcacct tgggcgtt
45	E	Wrong Nucleic Acid Designator	tccaatgccc cgccgatcg tctcgatatt atgcgtcg
45	W	"N" or "Xaa" used: Feature required	tccaatgccc cgccgatcg tctcgatatt atgcgtcg
47	E	Wrong Nucleic Acid Designator	aagcgcacca 0wavmaakda mtnkvagatc attgaaga
47	W	"N" or "Xaa" used: Feature required	aagcgcacca 0wavmaakda mtnkvagatc attgaaga
48	E	Wrong Nucleic Acid Designator	gacacgcctt tggcggttc ggcgtt0ttv ddtggsav
49	E	Wrong Nucleic Acid Designator	gtgcgggtgg aggtgagcgt cgataagcag cgggttg
49	W	"N" or "Xaa" used: Feature required	gtgcgggtgg aggtgagcgt cgataagcag cgggttg
50	E	Wrong Nucleic Acid Designator	aaagcccatg ttgatggcaa tcgtgctgac ctgggtga
50	E	Wrong Nucleic Acid Designator	aaagcccatg ttgatggcaa tcgtgctgac ctgggtga
51	W	"N" or "Xaa" used: Feature required	kmmavtwnna ydcgcgttg tgttatcg cggcgctcg
52	E	Wrong Nucleic Acid Designator	acggggatt tt0avggvga ygdgrwvcgc cgctggcg
53	E	Wrong Nucleic Acid Designator	gttcccgctg gtgggttcg gcgcagc0aa gaaaswvg
54	E	Wrong Nucleic Acid Designator	tccagccca aggtgtggcg ctgatcaac gtcgtcg
54	W	"N" or "Xaa" used: Feature required	tccagccca aggtgtggcg ctgatcaac gtcgtcg
55	E	Wrong Nucleic Acid Designator	kctactggcg taaccggtag tttgactaca actaccca
58	E	Wrong Nucleic Acid Designator	cg00sdtaka wngadhsdag aggttgagcc gcagtctt
58	E	Wrong Nucleic Acid Designator	cg00sdtaka wngadhsdag aggttgagcc gcagtctt
58	W	"N" or "Xaa" used: Feature required	cg00sdtaka wngadhsdag aggttgagcc gcagtctt

VERIFICATION SUMMARY  
PATENT APPLICATION US/09/105,117BDATE: 12/31/1998  
TIME: 19:03:44

Input Set: I105117B.RAW

## Line ? Error/Warning

## Original Text

59 E Wrong Nucleic Acid Designator  
59 W "N" or "Xaa" used: Feature required  
60 E Wrong Nucleic Acid Designator  
61 E Wrong Nucleic Acid Designator  
63 W "N" or "Xaa" used: Feature required  
64 E Wrong Nucleic Acid Designator  
64 E Wrong Nucleic Acid Designator  
65 E Wrong Nucleic Acid Designator  
65 W "N" or "Xaa" used: Feature required  
66 E Wrong Nucleic Acid Designator  
66 W "N" or "Xaa" used: Feature required  
67 E Wrong Nucleic Acid Designator  
69 E Wrong Nucleic Acid Designator

gttccgacaa caggtcgac0 adsnnnsdsnd gagttgac  
gttccgacaa caggtcgac0 adsnnnsdsnd gagttgac  
ccagtgcctt aggcgcggca tgagaggaac 0vssagas  
tacgttcgcg gtagacgcgt tcactgacgg ggcgaagg  
dnkrvmdnnv nmgssgaatg ggaccgaccg cgcccttg  
aaacaggcac tcgtc00kgs arsggdykdt cgggacgc  
aaacaggcac tcgtc00kgs arsggdykdt cgggacgc  
cggttctggtaacaaccgtc gactgacgtt 0gasavgg  
cggttctggtaacaaccgtc gactgacgtt 0gasavgg  
gcgggccaag gaggtgggtt gctaattact accttatac  
gcgggccaag gaggtgggtt gctaattact accttatac  
acttagtctt cgcccgctcg gaggaggcgg tacttgag  
cagtgc0gys sgvyakgsav drgttacgca tgtaccaa